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DECLARATION FOR UTILITY OR

131.1028.01

Trinh, Vincent et al

PTO/SB/01 (12-97)
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Attorney Docket Number

DES	IGN	First Named In	nventor	min, vincent et al				
PATENT AP		С	OMPLETE II	KNOWN				
(37 CFI		Application Nu	mber 09	/ 546,055				
-	,	Filing Date	Apr	il 10, 2000				
Submitted OR	Declaration Submitted after Initia	Group Art Unit	Not	Yet Assigned				
with Initial Filing	Filing (surcharge (37 CFR 1.16 (e)) required)	Examiner Nam	ne No	t Yet Assigned				
As a below named inventor, I hereby declare that:								
	ddress, and citizenship are a	s stated below next to m	ny name					
			•	first and joint inventor (if plural				
	the subject matter which is cl							
Method, Apparatus & Comp	outer Program Product For Synchron	izing Presentation of Digital	Video Data With Se	rving Of Digital Video Data				
the specification of which is attached hereto	(Title	(Title of the Invention)						
1 m	OR was filed on (MM/DD/YYYY) April 10, 2000 as United States Application Number or PCT Internation.							
Application Number	09/546.055 and wa	s amended on (MM/DD	[(if applicable).				
	viewed and understand the co							
amended by any amendmen	nt specifically referred to above	/e.						
I acknowledge the duty to d	isclose information which is m	naterial to patentability a	ıs defined in 37 (CFR 1.56.				
America, listed below and har	y benefits under 35 U.S.C. PCT international application ve also identified below, by cl pplication having a filing date	hecking the box, any for	reign application	lication(s) for patent or inventor's y other than the United States of for patent or inventor's certificate, priority is claimed.				
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO				
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	tion numbers are listed on a							
Application Number	nder 35 U.S.C. 119(e) of any (s) Filing Date	(MM/DD/YYYY)	iai application(s)	asted below.				
			num sup	itional provisional application bers are listed on a plemental priority data sheet p/SB/02B attached hereto.				

[Page 1 of 2]

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DECLARATION Hillity or Design Patent Application

<u> </u>	AIGATIO		- Othlity	UI L	Jesiy	n Pale	III Ab	Jiicatie	<u> </u>
United States of Al United States or PC information which is and the national or	I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.							in the prior	
U.S. P	arent Applicat Numb		PCT Parent			iling Date D/YYYY)	Pare	ent Patent Number (if applicable)	
	or PCT internationa								
As a named inventor and Trademark Office	, I hereby appoint the connected therew	ith:	Customer Numb OR	er			→ [ect all business Place Cust Number Bar Label he	omer Code
			Registered pract		iame/registra				stration
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Additional regist	ered practitioner(s)	named o	n suppleme			rmation she	et PTO/SB/02	C attached here	eto.
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Given	Name (first and m	iddle [if	any))			Family	Name or Su	mame	
,	/incent	_				•	rinh		
Inventor's Signature	11/1/	wi						Date	2000
Residence: City	Pleasanto	n	State	CA	Country	USA		Citizenship	Canada
Post Office Addres	4267 Luce	ro Cou	rt						
Post Office Addre	38								
City	Pleasanton	State	CA	ZIP			Country	USA	
	ntors are being n	amed o	n the _1_supp	olemental	Additional	Inventor(s) st	neet(s) PTO/	SB/02A attac	hed hereto

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PTO/SB/02A (3-97)

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet Page 1 of 1

Name of Addition	onal Joint Inventor, if any:						entor .					
Given Na	me (first and middle [if any])						Family Nam	ne or S	umame		
Mid	chael		>					Igna	szewski	ı		
Inventor's Signature	vacant	<u>د</u>			>	•				Date	3	15/200
Residence: City	Milpitas		State	CA		Cor	untry	USA		Citizens	hip	France
Post Office Address	355 Fairview Way											
Post Office Address								· · · · · · · · · · · · · · · · · · ·				
City	Milpitas	١	State	CA		z	IP		Country	,	USA	
Name of Addition	nal Joint Inventor, if ar	ıy:] A	petitio	n has been filed	for th	is unsigr	ed inv	entor
Given Na	me (first and middle [if any]) Family Name or Surname											
Ja	acques Mahe											
Inventor's Signature										Da	te	
Residence: City	Fremont		State	CA		Co	untry	USA		Citize	nship	France
Post Office Address	39939 Stevenson Cn	nn, À	Apt. J	3056								
Post Office Address		-	· · · · · · · · · · · · · · · · · · ·									
City	Fremont		State	CA			ZIP	:	Coun	itry	USA	
Name of Addition	nal Joint Inventor, if a	ny:] A	petitio	n has been filed	d for th	is unsigr	ned inv	entor
Given Na	me (first and middle [if any	<u>/])</u>						Family Nan	ne or S	Sumame		
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inventor's Signature										Da	te	1
Residence: City			State			Co	untry			Citize	nship	
Post Office Address												
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City		St	tate				ZIP		c	Country		

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ADDITIONAL INVENTOR(S) DECLARATION Supplemental Sheet Page _1_ of _1

		_										
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor						tor						
Given Nar	ne (first and middle [if any])		Family Name or Sumame									
Mic	chael		_				Igna	szews	ki			
Inventor's Signature										Date	_	
Residence: City	Milpitas	State	CA		Cou	untry	USA		Cit	tizenship	Fr	ance
Post Office Address	355 Fairview Way	.								\		
Post Office Address									<u> </u>			
City	Milpitas	State	CA		z	IP		Coun	try	L	JSA	
Name of Additio	nal Joint Inventor, if any] A	petition	n has been file	d for	this	unsigned	inve	ntor
Given Na	me (first and middle [if any])			_			Family Na	me o	Sur	mame		
Ja	cques	cques Mahe										
Inventor's Signature					5-				5 - 8 - 6 Date	20		
Residence: City	Fremont	State	CA		Ca	ountry	USA			Citizensi	hip	France
Post Office Address	39939 Stevenson Cmr	, Apt.	3056									
Post Office Address												
City	Fremont	State	, C	Α		ZIP		C	ountr	y L	JSA	
Name of Addition	onal Joint Inventor, if an	y:			⊐ ^	petitic	on has been fi	ed fo	this	unsigne	d inv	entor
Given N	ame (first and middle [if any]))		T			Family N	ame d	or Su	ımame		
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PTO/SB/81 (11-96)

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT, NOT ACCOMPANYING APPLICATION

Application Number	09/546,055				
Filing Date	April 10, 2000				
First Named Inventor	Trinh, Vincent et al				
Group Art Unit	Not Assigned				
Examiner Name	Not Assigned				
Attorney Docket Number	131.1028.01				

I hereby ap	ppoint:	,			
OR		Customer Number	022883		→ 22883
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		of record of the entire under 37 CFR 3.73			
		SIGNATURE of	Applicant or Assig	nee of	Record
Name		/ Jhinh Trar	n, President an	d CE	<u> </u>
Signatur		Thires	The -		
Date		100	05/0	08/	2000

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PTO/SB/96 (6-98)
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STATEMENT UNDER 37 CFR 3.73(b)
Applicant/PatentOwner:Trinh, Vincent et al
Application No./Patent No.: 09/546,055 Filed/Issue Date: April 10, 2000
Entitled: Method, Apparatus & Computer Program Product For Synchronizing Presentation Of Digital Video Data With Serving Of Digital Video Data
Sigma Designs, Inc. Corporation
(Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)
states that it is:
1. X the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest
in the patent application/patent identified above by virtue of either:
A. [x] An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
OR
B. [] A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
From: To: The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
2. From: To:
The document was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.
3. From: To:
The document was recorded in the Patent and Trademark Office at
Reel, Frame, or for which a copy thereof is attached.
[] Additional documents in the chain of title are listed on a supplemental sheet.
[X] Copies of assignments or other documents in the chain of title are attached. [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]
The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.
Date 'Signature' Thinh Tran
Typed or printed name
President and CEO
Titto



ASSIGNMENT

WHEREAS, We, Vincent Trinh, a citizen of Canada, residing at 4267 Lucero Court, Pleasanton, CA, Michael Ignaszewski, a citizen of France, residing at 355 Fairview Way, Milpitas, CA, and Jacques Mahe, a citizen of France, residing at 39939 Stevenson Cmn, Apt. J3056, Fremont, CA, have invented a "Method, Apparatus & Computer Program Product For Synchronizing Presentation Of Digital Video Data With Serving Of Digital Video Data" for which I have executed application papers for a U.S. patent thereon, which was filed on April 10, 2000, Serial No. 09/546,055; and

WHEREAS, Sigma Designs, Inc., a California corporation, having a place of business at 355 Fairview Way, Milpitas, CA 95035, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, We, Vincent Trinh, Ignaszewski, Michael, and Jacques Mahe do sell, assign, transfer and set over unto the said Sigma Designs, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Sigma Designs, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND	at Milpit	<u>a s</u>	this 8	day of
V.Tri	May 8th 2000			
Vincent Trinh		Michael Ignaszewski		
Jacques Mahe				



ASSIGNMENT

WHEREAS, We, Vincent Trinh, a citizen of Canada, residing at 4267 Lucero Court, Pleasanton, CA, Michael Ignaszewski, a citizen of France, residing at 355 Fairview Way, Milpitas, CA, and Jacques Mahe, a citizen of France, residing at 39939 Stevenson Cmn, Apt. J3056, Fremont, CA, have invented a "Method, Apparatus & Computer Program Product For Synchronizing Presentation Of Digital Video Data With Serving Of Digital Video Data" for which I have executed application papers for a U.S. patent thereon, which was filed on April 10, 2000, Serial No. 09/546,055; and

WHEREAS, Sigma Designs, Inc., a California corporation, having a place of business at 355 Fairview Way, Milpitas, CA 95035, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NCW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, We, Vincent Trinh, Ignaszewski, Michael, and Jacques Mahe do sell, assign, transfer and set over unto the said Sigma Designs, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Sigma Designs, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at	Milpitas	, this <u>5</u> day o
<u>may</u> , 2000.		
Vincent Trinh	11.101	1/11/1 5/5/2019)
vincent i rinn	Michaellana	szewski / /
Jacques Maho		



MITENT TRADEWAY OFFICE ASSIGNMENT

WHEREAS, We, Vincent Trinh, a citizen of Canada, residing at 4267 Lucero Court, Pleasanton, CA, Michael Ignaszewski, a citizen of France, residing at 355 Fairview Way, Milpitas, CA, and Jacques Mahe, a citizen of France, residing at 39939 Stevenson Cmn, Apt. J3056, Fremont, CA, have invented a "Method, Apparatus & Computer Program Product For Synchronizing Presentation Of Digital Video Data With Serving Of Digital Video Data" for which I have executed application papers for a U.S. patent thereon, which was filed on April 10, 2000, Serial No. 09/546,055; and

WHEREAS, Sigma Designs, Inc., a California corporation, having a place of business at 355 Fairview Way, Milpitas, CA 95035, is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NCW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, We, Vincent Trinh, Ignaszewski, Michael, and Jacques Mahe do sell, assign, transfer and set over unto the said Sigma Designs, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said Sigma Designs, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at, 2000.	$\frac{\text{Milpitas}}{\text{Missing this Assignment.}}, \text{ this } \frac{\text{S}}{\text{S}} \text{ day o}$
Vincent Trinh	Michael Ignaszewski

<u>) - १ - ಚಾ</u> Jacques Mahe



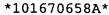
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ASSISTANT SECRETARY AND COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

APRIL 26, 2001

SWERNOFSKY LAW GROUP MERCHANT, JOHN C. PO BOX 390013 MOUNTAIN VIEW, CA 94039-00 PTAS







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RECORDATION DATE: 05/17/2000

REEL/FRAME: 010638/0574

NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

TRINH, VINCENT

DOC DATE: 05/08/2000

ASSIGNOR:

IGNASZEWSKI, MICHAEL

DOC DATE: 05/05/2000

ASSIGNOR:

MAHE, JACQUES

DOC DATE: 05/08/2000

ASSIGNEE:

SIGMA DESIGNS, INC. 355 FAIRVIEW WAY

MILPITAS, CALIFORNIA 95035

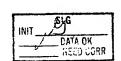
SERIAL NUMBER: 09546055

PATENT NUMBER:

FILING DATE: 04/10/2000

ISSUE DATE:

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FORM PTO-1619A Expires 06/30/99 CMB 0851-0027

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Conveying Party(les) X Mark if additional names of conveying parties attached Execution Date Month Day Year
Name (line 1) Trinh, Vincent 05 08 00
Name (line 2) Execution Date Month Day Year
Name (line 1) Ignaszewski, Michael 05 05 00
Name (line 2)
Rec iving Party Mark If additional names of receiving parties attached
Name (fine 1) Sigma Designs, Inc. If document to be recorded is an assignment and the
Name (line 2) a Corporation of California receiving party is not domicilled in the United States, an appointment of a dynastic
Address (line 1) 355 Fairview Way representative is attached. (Designation must be a separate document from
Addr ss (line 2) Assignment.)
Address (line 3) Milpitas CA 95035 City State/Country Zip Code
D mestic Representative Name and Address Enter for the first Receiving Party only.
Name Merchant, John C.
Address (line 1) Swemofsky Law Group
Address (line 2) P.O.Box 390013
Address (line 3) Mountain View, CA 94039-0013
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FORM PTO Expires 06/30/99 OMB 0651-0027	-1619B	Pag 2	U.S. Department of Commerce Patent and Trademark Office PATENT
Corr spond	nt Name and Addr ss	Area Code and Telephone Number 650	947.0700
Name	Merchant, John C.	Reg. No 45	.996
Address (line 1)	Swernofsky Law Group		
Address (line 2)	P.O.Box 390013		
Address (line 3)	Mountain View, CA 94039-00		
Address (fine 4)	United States		
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If this document signed by the fir	is being filed together with a <u>new</u> . Pate at named executing inventor.	nt Application, enter the date the patent application t	was Month Day Year
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	y if a U.S. Application Number not been assigned.	PCT PCT PCT	PCT
Number of	Properties Enter the to	tal number of properties involved. #	1
Fee Amoun	t Fee Amount	for Properties Listed (37 CFR 3.41): \$	0.00
	of Payment: Enclo	osed Deposit Account X	
	r payment by deposit account or if add	itional fees can be charged to the account.) Deposit Account Number:	50-0365
5		Authorization to charge additional fees:	Yes X No .
Statement a	and Signature		
To the	best of my knowledge and be	dief, the foregoing information is true and	d correct and any
attach	ed copy is a true copy of the dited herein.	original document. Charges to deposit ac	count are authorized, as
	nn C. Merchant	De Cherchant	5-17-00
Nam	e of Person Signing	Signatur	Date

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FORM PTO-1 Expires 08/50/99 OMB 0851-0027	619C	RDATION FORM COVER SHEET CONTINUATION PATENTS ONLY	U.S. Department of Commerce Peters and Trademark Office PATENT
Conveying Pa	arty(ies) Conveying Parties	Mark if additional names of conveying part	ties attached Execution Date Month Day Year
Name (line 1)			05 08 00
Nam (line 2)			Execution Date Month Day Year
Name (fine 1)			
Name (fine 2)			Execution Date Month Day Year
Name (line 1)			
Name (fine 2)			
	Receiving Party(les)	Mark if additional names of I	If document to be recorded
Name (line 1)			is an assignment and the receiving party is not
Name (line 2)			domiciled in the United States, an appointment of a domestic representative
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Address (Ilne 2)		<u> </u>	Asalgnment)
Address (line 3	City	State/Country	Zip Code
Name (line 1	,		If document to be recorded is an assignment and the receiving party is not
Name (line 2)		domiciled in the United States, an appointment of a
Address (tine 1			domestic representative is attached. (Designation must be a separate document from
Address (line 2			Assignment)
Address (line 3)		Zip Çoda
Application Enter either t	City Number(s) or Patent the Patent Application Number o	r the Patent Number (DO NOT ENTER BOTH num	nbers attached mbers for the same property).
	Patent Application Number	er(s)	Patent Number(s)